

CLAIMS

1. (Currently Amended) A structural panel comprising,

a sheet of material,

a plurality of ~~elongated~~ upright ribs formed in said sheet of material which extend upwardly from the surface of said sheet,

a plurality of partial upright ribs formed in said sheet of material which extend upwardly from the surface of said sheet,

each of said upright ribs includes a first surface of the rib which is normal to the surface of said sheet and a second surface of the rib which is disposed at an angle to said first surface of the rib, and

a sealing cap which is adapted to engage a pair of adjacent ~~elongated~~ upright ribs.

2. (Cancelled)

3. (Currently Amended) The structural panel recited in ~~claim 2~~ claim 1 wherein,
at least two of said upright ribs are disposed adjacent to each other.

4. (Currently Amended) The structural panel recited in ~~claim 2~~ claim 1 wherein,
at least one of said upright ribs and at least one of said partial upright ribs are disposed adjacent to each other and adjacent to an edge of said sheet.

5. (Cancelled)

6. (Currently Amended) The structural panel recited in ~~claim 5~~ claim 1 wherein,
a pair of said upright ribs is formed on said sheet with the first surfaces
adjacent to each other to form a trough therebetween.

7. (Currently Amended) The structural panel recited in ~~claim 5~~ claim 1 wherein,
each of said partial upright ribs includes a first surface which is normal to the
surface of said sheet.

8. (Original) The structural panel recited in claim 7 wherein,
a partial upright rib and an upright rib are formed in said sheet with the first
surfaces adjacent to each other to form a trough therebetween.

9. (Currently Amended) The structural panel recited in claim 1 wherein,
said sealing cap is a generally inverted U-shaped member which selectively
engages a pair of ~~elongated~~ upright ribs.

10. (Currently Amended) The structural panel recited in claim 1 wherein,
said ~~elongated~~ upright ribs and said partial upright ribs are integrally formed
in parallel to each other in said sheet of material.

11. (Original) The structural panel recited in claim 1 wherein,
said sheet of material is substantially waterproof.

12. (Currently Amended) The structural panel recited in ~~claim 5~~ claim 1 wherein,
each of said upright ribs includes at least one groove formed in ~~existing along~~
said second surface substantially parallel to the surface of said sheet.

13. (Original) The structural panel recited in claim 12 wherein,
said sealing cap includes a lip at each edge thereof to engage the groove in
said upright ribs.

14. (Original) The structural panel recited in claim 4 wherein,
the upright rib and the partial upright rib disposed adjacent to each other and
adjacent to an edge of said sheet are adapted to overlie and engage the upright rib and
the partial upright rib disposed adjacent to each other and adjacent to an edge of a second
substantially identical structural panel.

15. (Currently Amended) The structural panel recited in ~~claim 5~~ claim 1 wherein,
the angle between said second surface and said first surface is
approximately 15°.

16. (Original) The structural panel recited in claim 1 wherein,
a plurality of low profile ridges formed in said sheet of material to provide
longitudinal strength for the panel.

17. (Currently Amended) The structural panel recited in claim 9 wherein,
each of said pair of ~~elongated ribs comprises~~ upright ribs ~~which form~~ forms a
trough therebetween which trough is covered by said sealing cap.

18. (Original) The structural panel recited in claim 17 wherein,

said trough is adapted to selectively receive fasteners for fastening said structural panel to an underlying surface.

19. (New) The structural panel recited in claim 3 wherein,

said at least two upright ribs which are disposed adjacent to each other are located adjacent a mid-portion of said sheet of material.

20. (New) The structural panel recited in claim 1 wherein,

at least one of said partial upright ribs is formed at an edge of said sheet.

21. (New) The structural panel recited in claim 1 wherein,

each of said partial upright ribs includes a first surface which is normal to the surface of said sheet and substantially parallel to said first surface of an adjacent upright rib.

22. (New) A structural panel comprising,

a sheet of material,

a plurality of upright ribs formed in said sheet of material which extend upwardly from the surface of said sheet,

each of said upright ribs includes a first surface of the rib which is normal to the surface of said sheet and a second surface of the rib which is disposed at an angle to said first surface of the rib,

each of said upright ribs includes at least one groove formed in said second surface substantially parallel to the surface of said sheet,

at least two of said upright ribs are disposed adjacent to each other and located adjacent a mid-portion of said sheet of material,

a plurality of partial upright ribs formed in said sheet of material which extend upwardly from the surface of said sheet,

each of said partial upright ribs includes a first surface which is normal to the surface of said sheet and substantially parallel to said first surface of an adjacent upright rib,

at least one of said upright ribs and at least one of said partial upright ribs are disposed adjacent to each other and adjacent to an edge of said sheet,

a partial upright rib and an upright rib are formed in said sheet with the first surfaces adjacent to each other to form a trough therebetween,

at least one of said upright ribs and at least one of said partial upright ribs are disposed adjacent to each other and adjacent to an edge of said sheet,

a partial upright rib and an upright rib are formed in said sheet with the respective first surfaces thereof adjacent to each other to form a trough therebetween,

a sealing cap which is adapted to engage a pair of adjacent upright ribs.

said sealing cap includes a lip at each edge thereof to engage the groove in each of said pair of adjacent upright ribs, and

a plurality of low profile ridges formed in said sheet of material to provide longitudinal strength for the panel.